HAN DE WACHTER

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OBJECTIVE

PhD student trying to expand his network.

EDUCATION

Master of Chemical Engineering (M.Sc.), Polytechnique Montréal — 2019 - 2021
Double degree: Maîtrise recherche au CIRAIG.

Master of Chemical Engineering - Environmental Engineering (Ir.), KU Leuven — 2018 - 2021

Bachelor in Engineering science - Chemical Engineering, KU Leuven — 2015 - 2018
Minor in materials engineering

Latijn-Wiskunde, Sint-Pieterscollege Leuven — 2009 - 2015

SKILLS

Soft Skills	Creative problem-solving, Communication, Flexibility, Leadership and Research
Technical Skills	Python, GIT, LaTeX, Matlab, Comsol, TerraSys, USEtox, Retscreen and OpenLCA
Languages	Dutch - Native, English - Fluent, French - Fluent, German - Notions

EXPERIENCE

Master's student — Jan 2020 - August 2021
CIRAIG — *Montréal, QC*

- Research: Develop an automated optimization for material flow in the ecoinvent life cycle assessment database.
- Organized multiple events, for both the company and the partners.
- Helped to complete the ecoinvent database for Nickel mining in Ramu in a project for Umicore.

International Coordinator — Aug 2017 - Aug 2019
VTK — *Leuven, Belgium*

- Organized 30+ activities to welcome 600 international students in Leuven as well as guide and represent them throughout the year.
- Led a team of 5 in doing so.
- Was part of the Executive Committee dealing with the day to day problems of the organization.

PROJECTS

Design and programming Build a fingertip pulse oximeter with a team of 6 students, applying programming, problem solving and creativity.

Feasibility study Delivered a detailed report for the optimal alternative energy source for the town of Kuujjuaq, Québec, assessing feasibility, profitability and practicality.

EXTRA-CURRICULAR ACTIVITIES

- Member of the university and a competitive korfbal team in Belgium.
- Seated in the POC representing the chemical engineering students in educational discussions.
- Member of the student council tackling all problems the university coped with.

LEADERSHIP

- Led a team of 5 for a year and coordinated 20+ volunteers to set up weekly events. — Aug 2018 - Aug 2019